	А	В	С	D	E	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
2		Rec	lamation Administration			
3		Α	Adaptive Management Work Group			
4		1	Personnel Costs	151,000	155,530	155,530
5		2	AMWG Member Travel Reimbursement	13,000	13,390	13,390
6		3	Reclamation Travel	18,000	15,540	15,540
7		4	Facilitation Contract	21,000	21,000	21,000
8		5	Other	9,000	7,000	7,000
9		AMI	P Subtotal	212,000	212,460	212,460
10		В	Technical Work Group			
11		1	Personnel Costs	69,000	71,070	71,070
12		2	TWG Member Travel Reimbursement	15,000	15,450	15,450
13		3	Reclamation Travel	17,000	15,510	15,510
14		4	TWG Chair Reimbursement	21,000	21,630	21,630
15		5	Other	2,000	2,000	2,000
16		TW	G Subtotal	124,000	125,660	125,660
17		С	Other			
18		1	Compliance Documents	26,000	26,780	26,780
19		2	Contract Administration	25,000	25,750	25,750
20		Oth	er Subtotal	51,000	52,530	52,530
21		Rec	lamation Administrative Subtotal	387,000	390,650	390,650
22						
23		Trib	al Consultation			
24		Α	Cooperative Agreements with Tribes			
25		1	Hopi Tribe	80,000	82,400	82,400
26		2	Hualapai Tribe	80,000	82,400	82,400
27		3	Navajo Nation	80,000	82,400	82,400
28		4	Pueblo of Zuni	80,000	82,400	82,400
29		5	Southern Paiute	80,000	82,400	82,400
30		Trib	al Consultation Subtotal	400,000	412,000	412,000

	А	В	С	D	Е	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
31		В	River Trips for Consulation and DOEs			
32		1	Hopi Tribe	0	15,000	15,000
33		2	Hualapai Tribe	0	15,000	15,000
34		3	Navajo Nation	0	15,000	15,000
35		4	Pueblo of Zuni	0	15,000	15,000
36		5	Southern Paiute	0	15,000	15,000
37		Trib	al River Trip Subtotal	0	75,000	75,000
38		Trib	al Subtotal	400,000	487,000	487,000
39						
40		Pro	grammatic Agreement Cultural Resources			
41		1	Reclamation Administration	43,000	51,500	51,500
42		2	Database and GIS	0	0	0
43		3	NPS-GRCA Monitoring Costs	200,000	206,000	206,000
44		4	NPS-GLCA Monitoring Costs	28,000	28,840	28,840
45		5	NN & GLCA Treatment Plan and Implementation	100,000	100,000	100,000
46		6	Whole Canyon Treatment Plan and Implementation	0	250,000	250,000
47		7	Zuni Conservation Program Mitigation	0	10,000	10,000
48		8	TCP GIS Documentation	0	150,000	150,000
49		PA	Subtotal	371,000	796,340	796,340
50		Rec	lamation Total Program Subtotal	1,158,000	1,673,990	1,673,990
51						
52		U.S	. Geological Survey (GCMRC)			
53		Ехр	erimental Management Actions			
54	A.1.c	1	Mass Balance of Fine Sediment	420,000	0	200,000
55	A.3	2	FIST	500,000	750,000	500,000
56	A.11	3	Primary Productivity, Carbon Flux	59,000	0	65,000
57	A.12	4	Temperatures and Habitat Use Monitoring	200,000	150,000	150,000

	Α	В	С	D	E	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
58	N/A	5	Modeling EHF Sandbar Response	62,000	0	65,000
59	A.2	6	Coarse Sediment and Conceptual Modeling	49,000	0	50,000
60	A.13	7	Kanab Ambersnail Population	10,000	10,000	10,000
61	A.14	8	Foodbase Impacts of EHF Flows (high-flow impacts)	50,000	0	50,000
62	N/A	9	Monitoring of Rainbow Trout Adult	0	0	0
63	A.15	10	Distribution of Spawning Redds	50,000	0	140,000
64	A.15	11	Determination of the Suppression Mechanism	125,000	0	N/A
65	A.16	12	Food Base Impacts of Fluctuating Flows	60,000	0	0
66	A.17	13	Mechanical Removal of Non-native Fish	586,000	586,000	750,000
67	A.18	14	Rainbow Trout Diet Analysis	25,000	0	50,000
68	A.18	15	Predation of Native Fishes (Humpback Chub)	25,000	0	N/A
	N/A	16	Sediment Deposition in Arroyos	25,000	0	0
70	B.5	17	Impacts to Concessionaires, Anglers	0	0	20,000
71	N/A	18	Changes in Camping Beaches	25,000	0	0
72	E.1	19	Administrative Support	5,000	5,000	10,000
73	D.2	20	Technical Support - Computer	21,000	21,000	25,000
74	C.2	21	Technical Support - Survey Equipment	32,000	32,000	35,000
75						
76		Exp	erimental Management Actions Subtotal	2,329,000	1,554,000	2,120,000
77						
78		GCN	MRC Scientific Activities			
79		A	Terrestrial Ecosystem Activities			
	A.4.a	1	Terrestrial Ecosystem - Core Monitoring	505,000	170,000	425,000

	А	В	С	D	E	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
81	A.4.b	1	Terr. Eco. Mon. (Tribal Involvement)		80,000	55,000
82	A.5	2	Kanab Ambersnail - Core Monitoring	79,000	79,000	113,000
83	N/A	3	New Research in Terrestrial Ecosystems	0	0	0
84	N/A	4	Mapping Holocene Deposits	0	0	0
85	A.6	5	Habitat Map & Inventory	48,000	0	60,000
86	N/A	6	Cultural Data Base Plan	0	0	0
	A.7	7a	Kanab Ambersnail Taxonomy (AMP)	0	25,000	0
	A.7	7b	Kanab Ambersnail Taxonomy (USGS Appro)	88,000	88,000	0
89	N/A	8	Cultural Resources Monitoring & Mitigation	0	0	0
90		Terr	restrial Subtotal	720,000	442,000	653,000
91		В	Aquatic Ecosystem Activities			
92	A.8	1	Aquatic Foodbase Core Monitoring	248,000	315,000	315,000
93	A.9	2	Status & Trends of DS Fish - Core Monitoring	870,000	820,000	870,000
94	A.10	3	Status & Trends LF Trout - Core Monitoring	161,000	111,000	165,000
95	A.1.b	4	IQWP - DS - Core Monitoring	179,000	200,000	223,000
96	N/A	5	Native & Non-Native Species	0	0	0
97	A.19	6	Captive Breeding Program	0	0	0
98	N/A	7	Population Genetics - HBC	0	0	0
99	A.1.a	8	IQWP - Lake Powell	210,000	210,000	210,000
100		Aqu	atic Subtotal	1,668,000	1,656,000	1,783,000
101		С	Integrated Activities			
102	A.3	1	Fine-Sediment Storage - Core Monitoring	459,000	250,000	480,000
103	A.1.c	2	Streamflow & SS Transport - Core Monitoring	505,000	300,000	700,000
104	A.2	3	Coarse-Grained Inputs - Core Monitoring	135,000	0	110,000

	А	В	С	D	E	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
105	N/A	4	Sediment Transport Modeling	231,000	0	0
106	C.3	5	Control Network	86,000	150,000	150,000
107	A.30.b,c	6	Channel Mapping	0	0	519,000
108	N/A	7	Advanced Modeling of Coarse Grained	0	0	0
109	N/A	8	Recreation Effects	0	0	0
110		Inte	grated Activities Subtotal	1,416,000	700,000	1,959,000
111		D	Sociocultural & Other Program			
112	N/A	1	Unsolicited Proposals	0	0	50,000
113	N/A	2	AMWG, TWG Requests	0	0	50,000
114	N/A	4	Tribal Outreach Workshop	45,000	0	0
115	N/A	5	Cultural Synthesis & Data Report	0	0	0
116	N/A	6	Cultural Affiliation Study	0	0	0
117	N/A	7	APE Study	25,000	0	0
118	B.2	8	1st Yr Geomorph. Model, Process Study	0	135,000	150,000
119	B.1	9	Evaluation & Plan for Cultural - Core Monitoring	0	40,000	480,000
120	B.3	10	Implementation of Recreation PEP reccs.	0	40,000	155,000
121	B.4	11	Implementation of Socioeconomic PEP reccs.	0	40,000	130,000
122	B.6	new	Comprehensive Inventory of Campsites	0	0	160,000
123		Soci	iocultural & Other Subtotal	70,000	255,000	1,175,000
124		USG	S Scientific Activities Subtotal	3,874,000	3,053,000	5,570,000
125						
126		Adm	ninistrative & Technical Support Services			

	Α	В	С	D	Е	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
127		E	Administrative & Management			
128	E.1	1	Administrative Operations <sup>(1)</sup>	620,000	638,600	638,600
129	E.2	2	Program Planning & Management	274,000	282,220	282,220
	E.3	3	AMWG, TWG	45,000	·	46,350
	E.4	4	Independent Reviews	222,000	222,000	225,000
132	E.5	5	Public Outreach	85,000	50,000	50,000
133		Adn	ninsistrative and Management Subtotal	1,246,000	1,239,170	1,242,170
134		F	Technical Support Services			
	A.32a & A.32b	1	Geographic Information System	160,000	160,000	310,000
136	A.31	2	Data Base Management System	128,000	128,000	250,000
137	D.3	3	Library	79,000	99,000	286,000
	A.30, A.32 & C.2	4	Survey Operations	126,000	126,000	126,000
139	D.2	5	Systems Administration	242,000	242,000	286,000
140	A.30.a	6	Airborne Remote Sensing - Core Monitoring	163,000	200,000	290,000
141	D.1	8	Web page and product development	0	100,000	122,000
142	C.1	9	Logistics Operations			
143		Tecl	nnical Support Services Subtotal	898,000	1,055,000	1,670,000
144		Adn	ninistrative & Technical Subtotal	2,144,000	2,294,170	2,912,170

	Α	В	С	D	Е	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
145						
146		USC	SS Indirect Costs			
147			USGS Indirect (Bureau Share 11%) (2)	363,000	363,000	363,000
148			USGS Indirect (Cost Center Share 4%)	132,000	132,000	132,000
149			USGS Indirect (Bur. Special Rate 3%)	58,000	58,000	58,000
150			USGS Indirect (Special CC Rate 3%)	58,000	58,000	58,000
151			USGS Indirect on Appropriations	126,000	70,450	70,450
152		USC	SS Indirect Cost Subtotal	737,000	681,450	681,450
153		USC	SS, GCMRC Total Costs	9,084,000	7,582,620	11,283,620
154						
155		Hun	npback Chub Plan Actions			
	N/A	1	Willow Beach Genetics Assessment	0	0	0
	A.19	2	Genetics Refugium	40,000	100,000	100,000
	N/A	3	HBC Genetics Evaluation	0	0	
159	N/A	4	Feasibility of HBC Augmentation	0	0	
160	A.20	5	HBC Translocation to Tributaries	25,000	50,000	25,000
161	A.29	6	Temperature Control Device (TCD)	200,000	50,000	200,000
162	A.21	7	Dam Operations Experiment	50,000	50,000	50,000
163	N/A	8	Sediment, Turbidity Augmentation	50,000	0	0
164	A.22	9	Scientific, Recreation Impact Assessment	11,000	30,000	0
165	N/A	10	Bright Angel Non-native Fish Removal	167,000	167,000	167,000
166	N/A	11	Tributary Non-native Fish Survey, Removal	0	0	0
167	N/A	12	LCR Confluence NNF Mechanical Removal	0	0	0
168	A.23	13	Fish Monitoring below Diamond Creek	50,000	25,000	25,000
169	A.25	14	Invasive Species Management Plan	0	0	0
170	A.24	15	Monitoring Parasites and Diseases	50,000	55,000	55,000

	Α	В	С	D	E	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
171	A.25	16	Development of a LCR Management Plan	0	100,000	0
172	A.26	17	Concurrent LCR, Mainstem HBC Pop Est.	250,000	200,000	200,000
173	A.27	18	AMWG Outreach Program	0	0	0
174	A.28	19	Genetics Management Plan	0	0	0
	A.25	20	LCR Spill Prevention Plan	0	0	0
176	A.25	21	LCR Pollution Control Plan	0	0	0
177		Hun	npback Chub Plan Actions Subtotal	893,000	827,000	822,000
178						
179		GCE	AMP TOTAL COSTS	11,135,000	10,083,610	13,779,610
180		<u> </u>				
181	AVAILA	ABLE	FUNDS			
182			LICED & LICCO Devices Devices and devices		0.070.000	0.000.000
183 184			USBR & USGS Power Revenues under cap Carry Over		8,672,600 0	8,932,800
			USGS Appropriations (3)		500,000	500,000
185					320,000	320,000
186			USBR Appropriations (4)			· · · · · · · · · · · · · · · · · · ·
187			NPS Funds (5)		167,000	167,000
188			NPS Appropriations (3)		95,000	95,000
189			FWS Appropriations (3)		95,000	95,000
190			BIA Appropriations (3)		95,000	95,000
191			BOR Operations & Maintenance (IQWP)		210,000	210,000
192			TOTAL AVAILABLE FUNDS		10,154,600	10,414,800
193		<u> </u>	TOTAL REQUESTED APPROPRIATIONS		1,482,000	1,482,000
194			AVAILABLE FUNDS MINUS ESTIMATED COSTS		20,990	-3,364,810
195						

	Α	В	С	D	Е	F
1	NEW	ID	Project Descriptions	Approved 2004 Budget	Proposed 2005 Budget	Proposed 2006 Budget
196						
197			Note: USGS Salary adjustments were made to reflect co	sts from the m	ost recent salary	tables and were
198			Note: USGS special "pass-through" rate is applied on \$3	m for contract	s and agreement	ts.
199						
200		(1)	CPI Adjustment			
201			Actual AMP funds received in FY-2003			
202			Increased by 3.0 CPI			
203			FY-2004 Budget Adjusted for CPI - rounded			
204						
205						
206		(2)	Overhead Calculations:	3,000,000		
207			USGS Overhead (Bureau Share)			
208			USGS Overhead (Cost Center Share)			
209			USGS Special Rate (Bureau Share)	58,000		
210			USGS Special Rate (Cost Center Share)	58,000		
211			Total Overhead:	611,000		
212						
213		(3)	Consists of funds for experimental flows, and tribal participation	oation		
214		(4)	Consists of funds for experimental flows, temperature con	trol device and	d tribal participati	on
215		(5)	Funds applied to Bright Angel non-native fish contol			
216						

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1	COMMENTS
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4	Assumes level funding in FY06 with indexing
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52	
	Column A gives <b>new</b> project numbers as per GCMRC integrated science
	organization
	FY06 budget restores exp. Component of mass balance
	FY05-06 experimental support for high-flow tests
56	Restore in FY06 experimental support for high-flow tests
57	Ongoing support for experimental treatments (funded by USBR from appropriations for TCD)

	G
	COMMENTS
1	
	FY06 budget restores sandbar model verification under high-flow test (done through
	FIST)
	FY06 budget restores coarse-grained reworking under high-flow test
60	Ongoing support for experimental high-flow treatments at Vaseys only
	FY06 budget restores food base research under high-flow test
62	Project & evaluation completed in FY03
	Projects 10 & 11 combined into Project # A.15; Phase I completed in Marble Canyon
63	in FY04
	Continuation of A.15 in Marble Canyon, recommendation depends Phase I (FY04
	outcome)
65	GCMRC Exp. Science plan recommends ROD operations in FY05-06
	FY06 outsourced increase to offset increased costs for contracting & admin. support
	GCMRC Proposes to combine projects 14 & 15 into Project # A.18
	GCMRC Proposes to combine projects 14 & 15 into Project # A.18
	This exp. High-flow element will be covered under FIST project (A.3, above)
	This is the first year that this project will be implemented (competitive RFP)
71	This exp. High-flow element will be covered under FIST project (A.3, above)
	Ongoing additional Sdmin. support of experimental flow treatment implementation
73	Ongoing student support of experimental flow treatment implementation
	Upgrades of equipment in ogoing support of experimental flow treatment
	implementation
75	
76	FY06 reflects funding recommended to achieve <b>experimental flow</b> objectives
77	
78	
	Column A gives <b>new</b> project numbers as per GCMRC integrated science
79	organization
80	FY06 proposes restoration of this core-monitoring element; also, see

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	COMMENTS
1	
81	Combined FY05 elements =\$250,000, with FY06 elements = \$480,000
82	Includes additional support for staff to administer this project
83	New initiative are abandoned for lack of funding
84	Project permanantly eliminated
85	Project is resumed at fullly funded level in FY06
86	Project remains unfunded
87	Project completed in FY05
88	Project completed in FY05
89	Project remains unfunded
	FY06 total reflects funding to level recommended to support Core-Monitoring
90	objectives
	Column A gives <b>new</b> project numbers as per GCMRC integrated science
91	organization
92	FY06 funding remains level with indexing
93	Funding in FY06 restored to FY04 level
94	FY06 budget restores project to FY04 level of support
95	FY06 funding increase to offset additional outsource and operations costs
96	Research remains unfunded
97	Covered under HBC new initiative "Genetics Refugium" (see project A.19)
98	Project completed in FY03
99	FY06 funding remains level with indexing
	FY06 reflects funding recommended to support both Core-Monitoring & HBC
100	objectives
	Column A gives <b>new</b> project numbers as per GCMRC integrated science
	organization
	FY06 restores funding to the FY04 level for sand-storage Core Monitoring
	FY06 restores FY04 levels to achieve <b>Core Monitoring</b> & <b>Sed. Exp.</b> Objectives
104	FY06 restores FY04 levels to achieve Core Monitoring & Sed. Exp. Objectives

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	COMMENTS
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	Project completed in FY04; some verification may occur in FY06 under high-flow
	testing
106	FY06 funding is level at FY05 with indexing; new inititiatives completed in FY06
	FY06 completes Channel Mapping & Core Monitoring objectives
	Project was completed in FY03
	Project remains unfunded
	FY06 reflects recommendations to support <b>Core-Monitoring &amp; Channel-Mapping</b>
110	objectives
	Column A gives <b>new</b> project numbers as per GCMRC integrated science
111	organization
	Unsolicited proposals remain unfunded
	FY06 Restores funding for meeting the "special" request needs for support by the
_	AMWG
	Project completed in FY04
	This project remains unfunded
	This project remains unfunded
	This project is completed in FY04
	FY06 continues this new research initiative through its second year
	FY06 reflects recommendation for achieving Core-Monitoring objectives
	FY06 funds implementation of the recommendations from the FY05 PEP panel final
	report
	FY06 funds implementation of the recommendations from the FY05 PEP panel final
-	report
	FY06 funds implementation of the recommendations from the FY05 PEP panel final
	report
	FY06 reflects recommendations to support Core-Monitoring & External Review
123	objectives
124	FY06 reflects recommendations to support all ongoing AMP science objectives
125	
126	

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	COMMENTS
1	
	Column A gives <b>new</b> project numbers as per GCMRC integrated science
	organization
_	FY06 funding remains level with indexing
	FY06 funding remains level with indexing
_	FY06 funding remains level with indexing
	FY06 funding remains level with indexing
	FY06 funding remains level with indexing
133	
	Column A gives <b>new</b> project numbers as per GCMRC integrated science
134	organization
405	EV06 support additional DASA to achieve integrated science objectives
135	FY06 support additional <b>DASA</b> to achieve <b>integrated science</b> objectives
400	FY06 supports <b>DASA</b> ongoing needs for outsourced development for Oracle data
	engine FY06 supports initiatives for achieving new <b>Information Office</b> objectives
137	1 100 supports initiatives for achieving new information office objectives
138	FY06 maintains funding at FY04 level with indexing
100	1 Too maintaine fariang at 1 To 1 lover with indexing
139	FY06 supports some increases for achieving new Information Office objectives
	FY05 & FY06 fund system-wide data needs for achieving Core Monitoring
140	objectives
	FY06 continues support for implementing new initiatives for <b>Information Office</b>
141	
140	objectives 1 100-00 logistics totals are. \$900,000 & \$1,000,000 respectively, as distributed to field projects
172	FY06 reflects recommendations to support Core-Monitoring & Information Office
	objectives
	FY06 reflects recommendations to support all ongoing AMP-directed science
	objectives
144	ODJECTIVES

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	COMMENTS
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147	See note #2
148	FY06 assumes level funding with indexing
149	FY06 assumes level funding with indexing
	FY06 assumes level funding with indexing
151	FY06 assumes level funding with indexing
152	
153	Total science costs for core monitoring, experimental flows and new HBC initiatives
154	
	Column A gives <b>new</b> project numbers as per GCMRC integrated science
	organization
156	
-	FY06 funding remains level with indexing
158	
159	
160	FY06 funding is continued at a somewhat reduced level
	FY06 begins implementation of monitoring & research toward implementation of
	TCD
	FY06 funding continues support for ongoing planning of experimental treatments
	Assumes that requested feasibility studies are completed in FY05
	Assumes that requested feasibility are completed in FY05 Assumes that NPS continues this activity at the FY04-05 levels
	Funded through NPS (CCI) funds
	Funded under Experimental Flows project A.17 (see above)
107	Assumes ongoing funding support of \$10,000 provided from outside sources
168	(MSCP)
	Included in project A.25 (line 16, below)
	FY06 remains at the FY05 level with indexing

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	COMMENTS
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171	Assumes that the LCR planning is completed in FY05
	FY06 assumes that this proposed activity is implemented as described in AMWG ad-
	hoc report
173	Activities coordinated with E5 (see above)
17/	Assumes that this planning was completed in FY05 (funds in FY04 from USFWS)
	Included in project A.25 (line 16, below)
	Included in project A.25 (line 16, below)
	Total projected cost for new HBC initiatives
178	, ,
	Total science costs for support of all currently identified AMP objectives
180	
181	
182	
183	See note #1
184	TBD
185	See note #3
186	See note #4
187	See note #5
188	See note #3
189	See note #3
190	See note #3
191	
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193	
	FY06 total shows additional funding need to support: Core Monitoring, Experiment &
194	HBC tasks
195	

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1	COMMENTS
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197	redistributed to correspond to the changes in project work.
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